EDSE12027 *Industrial Design Processes*
Term 1 - 2019

Profile information current as at 15/05/2024 11:34 pm

All details in this unit profile for EDSE12027 have been officially approved by CQUniversity and represent a learning partnership between the University and you (our student). The information will not be changed unless absolutely necessary and any change will be clearly indicated by an approved correction included in the profile.

General Information

Overview

This unit focuses on the development of the requisite skills for cabinet making. Through practical workshops, you will apply the knowledge and skills of cabinet making necessary to teach Industrial Technology and Design in the senior years of schooling (10 - 12). You will design, develop, create, adapt and evaluate projects utilising critical aspects of knowledge of the industrial design processes for cabinet making.

Details

Career Level: *Undergraduate*
Unit Level: *Level 2*
Credit Points: *6*
Student Contribution Band: *7*
Fraction of Full-Time Student Load: *0.125*

Pre-requisites or Co-requisites

There are no requisites for this unit.
Important note: Students enrolled in a subsequent unit who failed their pre-requisite unit, should drop the subsequent unit before the census date or within 10 working days of Fail grade notification. Students who do not drop the unit in this timeframe cannot later drop the unit without academic and financial liability. See details in the [Assessment Policy and Procedure (Higher Education Coursework)](#).

Offerings For Term 1 - 2019

- Mixed Mode

Attendance Requirements

All on-campus students are expected to attend scheduled classes – in some units, these classes are identified as a mandatory (pass/fail) component and attendance is compulsory. International students, on a student visa, must maintain a full time study load and meet both attendance and academic progress requirements in each study period (satisfactory attendance for International students is defined as maintaining at least an 80% attendance record).

Residential Schools

This unit has a Compulsory Residential School for distance mode students and the details are:
Click here to see your [Residential School Timetable](#).

Website

[This unit has a website, within the Moodle system, which is available two weeks before the start of term. It is important that you visit your Moodle site throughout the term. Please visit Moodle for more information.](#)

Class and Assessment Overview

Recommended Student Time Commitment

Each 6-credit Undergraduate unit at CQUniversity requires an overall time commitment of an average of 12.5 hours of study per week, making a total of 150 hours for the unit.

Class Timetable

Regional Campuses

Bundaberg, Cairns, Emerald, Gladstone, Mackay, Rockhampton, Townsville

Metropolitan Campuses

Adelaide, Brisbane, Melbourne, Perth, Sydney

Assessment Overview

1. **Online Quiz(zes)**
Weighting: 20%
2. **Written Assessment**
Weighting: 30%
3. **Practical Assessment**
Weighting: 50%

Assessment Grading

This is a graded unit: your overall grade will be calculated from the marks or grades for each assessment task, based on the relative weightings shown in the table above. You must obtain an overall mark for the unit of at least 50%, or an overall grade of 'pass' in order to pass the unit. If any 'pass/fail' tasks are shown in the table above they must also be completed successfully ('pass' grade). You must also meet any minimum mark requirements specified for a particular assessment task, as detailed in the 'assessment task' section (note that in some instances, the minimum mark for a task may be greater than 50%). Consult the University's Grades and Results Policy for more details of interim results and final grades.

CQUniversity Policies

All University policies are available on the CQUniversity Policy site.

You may wish to view these policies:

- Grades and Results Policy
- Assessment Policy and Procedure (Higher Education Coursework)
- Review of Grade Procedure
- Student Academic Integrity Policy and Procedure
- Monitoring Academic Progress (MAP) Policy and Procedure – Domestic Students
- Monitoring Academic Progress (MAP) Policy and Procedure – International Students
- Student Refund and Credit Balance Policy and Procedure
- Student Feedback – Compliments and Complaints Policy and Procedure
- Information and Communications Technology Acceptable Use Policy and Procedure

This list is not an exhaustive list of all University policies. The full list of University policies are available on the CQUniversity Policy site.

Previous Student Feedback

Feedback, Recommendations and Responses

Every unit is reviewed for enhancement each year. At the most recent review, the following staff and student feedback items were identified and recommendations were made.

Feedback from Student

Feedback
Change Residential dates

Recommendation
Assess the availability of dates for an earlier Residential School.

Unit Learning Outcomes

On successful completion of this unit, you will be able to:

1. Demonstrate knowledge and understanding of cabinetmaking and furnishing industry practices
2. Plan and develop a series of design based activities for construction
3. Understand the use, development and impact of design concepts through the construction of a series of design based activities
4. Apply appropriate problem solving procedures to enact the construction of a designed product
5. Investigate how to plan, sequence, implement and assess design application processes used in the production of projects incorporated in the senior year's of industrial technology and design teaching area
6. Recognise and apply basic skills sequences and procedures using design processes required for teaching cabinet making technologies
7. Critically evaluate specific applications of tools and equipment used in the manufacture of products for cabinet making
8. Apply appropriate workplace health and safety and maintenance practices when engaging in design and manufacturing activities
9. Communicate and work professionally in peer learning teams.

Alignment of Learning Outcomes, Assessment and Graduate Attributes

Legend:
— N/A Level ∘ Introductory Level • Intermediate Level • Graduate Level ∘ Professional Level ∘ Advanced Level

Alignment of Assessment Tasks to Learning Outcomes

Assessment Tasks	Learning Outcomes								
	1	2	3	4	5	6	7	8	9
1 - Communication	•	•	•	•	•	•	•	•	•
2 - Problem Solving	•	•	•	•	•	•	•	•	•
3 - Critical Thinking		•	•	•	•	•	•	•	•
4 - Information Literacy		•	•	•	•	•	•	•	
5 - Team Work		•	•	•	•	•	•	•	•
6 - Information Technology Competence		•	•	•	•	•	•	•	•
7 - Cross Cultural Competence		•		•	•		•	•	•
8 - Ethical practice	•	•	•	•	•	•	•	•	•
9 - Social Innovation									
10 - Aboriginal and Torres Strait Islander Cultures									

Alignment of Assessment Tasks to Graduate Attributes

Assessment Tasks	Graduate Attributes									
	1	2	3	4	5	6	7	8	9	10
1 - Online Quiz(zes) - 20%	•	•						•		
2 - Written Assessment - 30%	•	•	•	•		•	•	•		
3 - Practical Assessment - 50%	•	•	•	•	•	•	•	•		

Textbooks and Resources

Textbooks

EDSE12027

Prescribed

Furnishing: An Industry Study
Edition: 4th edn (2014)
Authors: Baker, S & Schlyder, D
PCS Publications
Toowoomba , Queensland , Australia
ISBN: 9781876135874
Binding: Paperback

Additional Textbook Information
Paper copies are available at the CQUni Bookshop here: http://bookshop.cqu.edu.au (search on the Unit code)

View textbooks at the CQUniversity Bookshop

IT Resources

You will need access to the following IT resources:

- CQUniversity Student Email
- Internet
- Unit Website (Moodle)

Referencing Style

All submissions for this unit must use the referencing style: American Psychological Association 6th Edition (APA 6th edition)
For further information, see the Assessment Tasks.

Teaching Contacts

Brad Connolly Unit Coordinator
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Schedule

Week 1 - 11 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Early development of the furnishing industry in Australia and the structure of Australia's Furnishing Industry	Reading: Furnishing: An Industry Study pp.1-12	Quiz 2%

Week 2 - 18 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Safe Working polices& practices in the Furnishing Industry.	Readings: Furnishing: An Industry Study pp.29-63	Quiz 2%

Week 3 - 25 Mar 2019

Module/Topic	Chapter	Events and Submissions/Topic
Safe Identifying hand tools and hand tool safety.	Readings: Furnishing: An Industry Study pp.76-89	Quiz 2%

Week 4 - 01 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Portable power tools.	Portable power tools.	Quiz 2%

Week 5 - 08 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Basic woodworking machines.	Readings: Furnishing: An Industry Study pp.113-140	Quiz 2%

Vacation Week - 15 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Enjoy your break.		

Week 6 - 22 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Materials. (timber, wood products, adhesives, hardware items, glass, plastics and surface finishes).	Readings: Furnishing: An Industry Study pp.141-185	Quiz 2%

Week 7 - 29 Apr 2019

Module/Topic	Chapter	Events and Submissions/Topic
Different ways timber can be join using a range of joints and how to construct the joints.	Readings: Furnishing: An Industry Study pp.171-185	Quiz 2%

Week 8 - 06 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Surface preparation, identifying and rectifying defects, selecting and applying stoppings and selecting suitable abrasive paper and using correct sanding methods.	Readings: Furnishing: An Industry Study pp.76-89	Quiz 2%

Week 9 - 13 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Revision Part A.	Revisit past readings: Furnishing: An Industry Study.	Quiz 2%

Week 10 - 20 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Revision Part B.	Revisit past readings:Furnishing: An Industry Study.	Quiz 2%

Week 11 - 27 May 2019

Module/Topic	Chapter	Events and Submissions/Topic
Review readings and complete Assignment 2.		

Week 12 - 03 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic

Assessment 1: Quizzes due
09/06/2019
Assessment 2 due: 07/06/2019

Assessment Item 1: 10 Multi-Choice Quizzes Due: Week 12 Friday (7 June 2019) 11:45 pm AEST
Assessment Item 2: Written Assignment Due: Week 12 Friday (7 June 2019) 5:00 pm AEST

Review/Exam Week - 10 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic

Exam Week - 17 Jun 2019

Module/Topic	Chapter	Events and Submissions/Topic
Assessment 3 1st Compulsory Residential School 8/07/2019 to 10/07/2019, 2nd Residential School 11/07/19 to 13/07/19 at CQU Canning Street Campus, Building E, Room 1.09 The Joinery Room, 8.00am - 5.00pm	The central aim of this course is to provide an understanding of design principles and their application towards problem solving pedagogy in a technology context, whether that be in a theory classroom or workshop. Students can download the Student Workbook.	

Assessment Tasks

1 Assessment Item 1: 10 Multi-Choice Quizzes

Assessment Type
Online Quiz(zes)

Task Description
20% total marks Quizzes will be based on weekly readings from the assigned text book.
Quizzes will be available on the Moodle website and will remain open until the end of Week 12.
Students will be allowed a maximum of 1 hour and two attempts to complete each quiz. The highest scoring attempt will be used for grading. Please note that results from all 10 quizzes contribute to the overall mark of 20%

Number of Quizzes

Frequency of Quizzes
Other

Assessment Due Date
Week 12 Friday (7 June 2019) 11:45 pm AEST

Return Date to Students
Review/Exam Week Monday (10 June 2019)

Weighting
20%

Assessment Criteria
Students are assessed on the following criteria:

- Knowledge and understanding and application of workshop processes

- Ability to work independently with limited assistance

Referencing Style

- [American Psychological Association 6th Edition (APA 6th edition)](#)

Submission
Online

Learning Outcomes Assessed

- Demonstrate knowledge and understanding of cabinetmaking and furnishing industry practices

Graduate Attributes

- Communication
- Problem Solving
- Ethical practice

2 Assessment Item 2: Written Assignment

Assessment Type
Written Assessment

Task Description
Students are required to develop a Unit Plan and Project suitable for either a Year 11 or Year 12 Furnishing class. The assignment will consist of a Unit Plan that has a: Rationale for the Project, what Year Level the Project is targeting, an accurate Dimensioned Working Drawing of the Project, a Detailed Work Procedure, Lesson Plans for the duration of the Project and a Criteria Sheet. An example of a suitable unit plan has been made available under the Resources Tab on the Moodle Website.

Assessment Due Date
Week 12 Friday (7 June 2019) 5:00 pm AEST

Return Date to Students
Exam Week Monday (17 June 2019)

Weighting
30%

Assessment Criteria
Students are assessed on the following criteria:

- Ability to present graphical information

- Ability to express and develop an idea

- Ability to present work effectively

Referencing Style

- [American Psychological Association 6th Edition (APA 6th edition)](#)

Submission
Online

Learning Outcomes Assessed

- Plan and develop a series of design based activities for construction
- Understand the use, development and impact of design concepts through the construction of a series of design based activities
- Apply appropriate problem solving procedures to enact the construction of a designed product
- Investigate how to plan, sequence, implement and assess design application processes used in the production of projects incorporated in the senior year's of industrial technology and design teaching area
- Recognise and apply basic skills sequences and procedures using design processes required for teaching cabinet making technologies
- Critically evaluate specific applications of tools and equipment used in the manufacture of products for cabinet making
- Apply appropriate workplace health and safety and maintenance practices when engaging in design and manufacturing activities

Graduate Attributes

- Communication
- Problem Solving
- Critical Thinking
- Information Literacy
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

3 Compulsory Residential School

Assessment Type
Practical Assessment

Task Description
Practical Assessment: Compulsory Residential School introduces students to learning experiences
and projects which target Engineering. Students will be using hand tools, machinery and equipment.Residential School
gives students the opportunity to develop their hand skills, knowledge & understanding of workshop procedures and
processes. Students will be assessed on the quality and presentation of their projects, in addition to their knowledge and
understanding and application of workshop processes, and their ability to work independently with limited assistance.

Assessment Due Date

There will be 2 Compulsory Residential Schools 1st from the 8/7/2019 to 10/7/2019, and the 2nd from the 11/7/2019 to
13/7/2019. Each Res School has a number limit, please select a Res School quickly to avoid missing out on the Res
School you wish to attend.

Return Date to Students

Results to be returned by end Compulsory Residential School

Weighting
50%

Assessment Criteria
Students will be assessed over the Res School in relation to the following:

- Practical expertise

- Quality and presentation of their projects

- Knowledge and understanding and application of workshop processes

- Ability to work independently with limited assistance

Referencing Style

- American Psychological Association 6th Edition (APA 6th edition)

Submission
Offline

Learning Outcomes Assessed

- Plan and develop a series of design based activities for construction
- Understand the use, development and impact of design concepts through the construction of a series of design
  based activities
- Apply appropriate problem solving procedures to enact the construction of a designed product
- Investigate how to plan, sequence, implement and assess design application processes used in the production of
  projects incorporated in the senior year's of industrial technology and design teaching area
- Recognise and apply basic skills sequences and procedures using design processes required for teaching cabinet
  making technologies
- Critically evaluate specific applications of tools and equipment used in the manufacture of products for cabinet
  making
- Apply appropriate workplace health and safety and maintenance practices when engaging in design and
  manufacturing activities
- Communicate and work professionally in peer learning teams.

Graduate Attributes

- Communication

- Problem Solving
- Critical Thinking
- Information Literacy
- Team Work
- Information Technology Competence
- Cross Cultural Competence
- Ethical practice

Academic Integrity Statement

As a CQUniversity student you are expected to act honestly in all aspects of your academic work.

Any assessable work undertaken or submitted for review or assessment must be your own work. Assessable work is any type of work you do to meet the assessment requirements in the unit, including draft work submitted for review and feedback and final work to be assessed.

When you use the ideas, words or data of others in your assessment, you must thoroughly and clearly acknowledge the source of this information by using the correct referencing style for your unit. Using others' work without proper acknowledgement may be considered a form of intellectual dishonesty.

Participating honestly, respectfully, responsibly, and fairly in your university study ensures the CQUniversity qualification you earn will be valued as a true indication of your individual academic achievement and will continue to receive the respect and recognition it deserves.

As a student, you are responsible for reading and following CQUniversity's policies, including the **Student Academic Integrity Policy and Procedure**. This policy sets out CQUniversity's expectations of you to act with integrity, examples of academic integrity breaches to avoid, the processes used to address alleged breaches of academic integrity, and potential penalties.

What is a breach of academic integrity?
A breach of academic integrity includes but is not limited to plagiarism, self-plagiarism, collusion, cheating, contract cheating, and academic misconduct. The Student Academic Integrity Policy and Procedure defines what these terms mean and gives examples.

Why is academic integrity important?
A breach of academic integrity may result in one or more penalties, including suspension or even expulsion from the University. It can also have negative implications for student visas and future enrolment at CQUniversity or elsewhere. Students who engage in contract cheating also risk being blackmailed by contract cheating services.

Where can I get assistance?
For academic advice and guidance, the Academic Learning Centre (ALC) can support you in becoming confident in completing assessments with integrity and of high standard.

What can you do to act with integrity?

Be Honest
If your assessment task is done by someone else, it would be dishonest of you to claim it as your own

Seek Help
If you are not sure about how to cite or reference in essays, reports etc, then seek help from your lecturer, the library or the Academic Learning Centre (ALC)

Produce Original Work
Originality comes from your ability to read widely, think critically, and apply your gained knowledge to address a question or problem